

Supplementary File 6 Extent to which bioactivity studies confirm the specific ethnological use for each ethnomedical toolkit category

Therapeutic category	A: Number of species reporting this ethnological use	B: Number of species in which bioactivity validates specific ethnological use (% in brackets)	C: Number of species from column A with any bioactivity of ND therapeutic relevance (% in brackets)
Detoxifying/poison antidote/anti-venom	124	16 (13)	104 (85)
Memory/cognitive improvement/dementia	130	40 (31)	107 (82)
Anti-paralytic/ hemiplegia/ paraplegia/ polio	183	2 (1)	156 (85)
Anti-PD/ anti-tremor	14	3 (21)	12 (86)
Anti-inflammatory	974	525 (54)	687 (71)
Wound healing/anti-ulcer	110	57 (56)	80 (79)
Boost immune system/immunomodulation	34	19 (56)	28 (82)
Anti-fatigue/weakness/boosting energy/strength	49	22 (45)	31 (72)
Total anti-microbial all types [anti-bacterial, anti-viral, anti-fungal]	1176	734 (62)	843 (72)
Anti-aging/promoting longevity	20	5 (25)	15 (75)
Anti-hypertensive, cardiotonic anti-thrombotic, anti-atherosclerotic, anti-stroke/traumatic brain injury	246	118 (48 %)	197 (80)
Anti-hyperlipidemic/anti-hypercholesterolaemic	35	12 (34)	27 (77)
Anti-epileptic/anxiolytic/alleviation of other neurological conditions	77	47 (61)	73 (95)